Probability Magic Module Materials List

-2 Sheets of lined paper

-1 Pencil

-M&M Probability Handout

-1 Die (or the Create a Die Handout)

-1 1.69 oz package of M&Ms (or Skittles if M&Ms are unavailable)

-1 plate

-1 calculator

M&M Probability

Count how many M&Ms of each color you have in your bag and then count the total number of M&Ms

Blue: _____   Red: _____   **Total:** _____
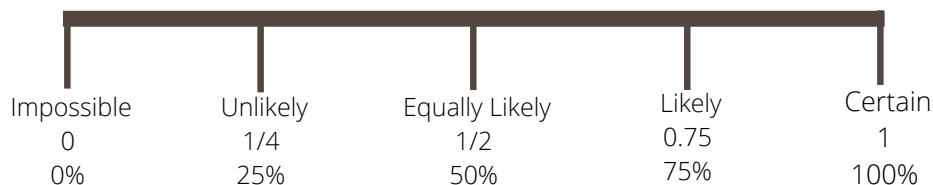
Green: _____   Yellow: _____

Brown: _____   Orange: _____

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Calculating Probability

$$= \frac{\text{Number of favorable outcomes}}{\text{Total number of outcomes}} \quad \text{OR} \quad \frac{\text{Number of M\&Ms of one color}}{\text{Total number of M\&Ms}}$$

What are the odds?

Impossible	Unlikely	Equally Likely	Likely	Certain
0	1/4	1/2	0.75	1
0%	25%	50%	75%	100%

Probability of Selecting a Blue M&M = _____

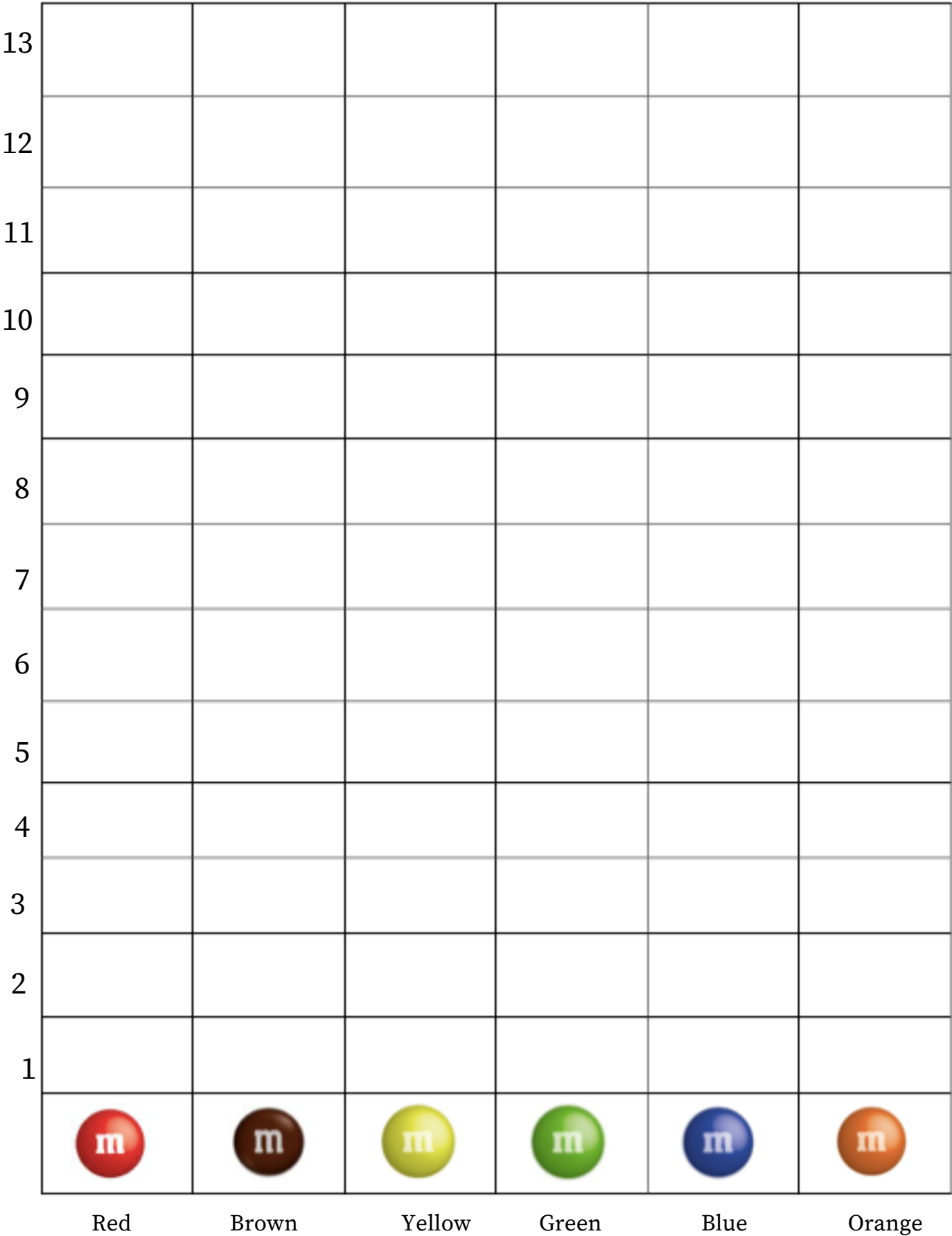Probability of Selecting a Red M&M = _____
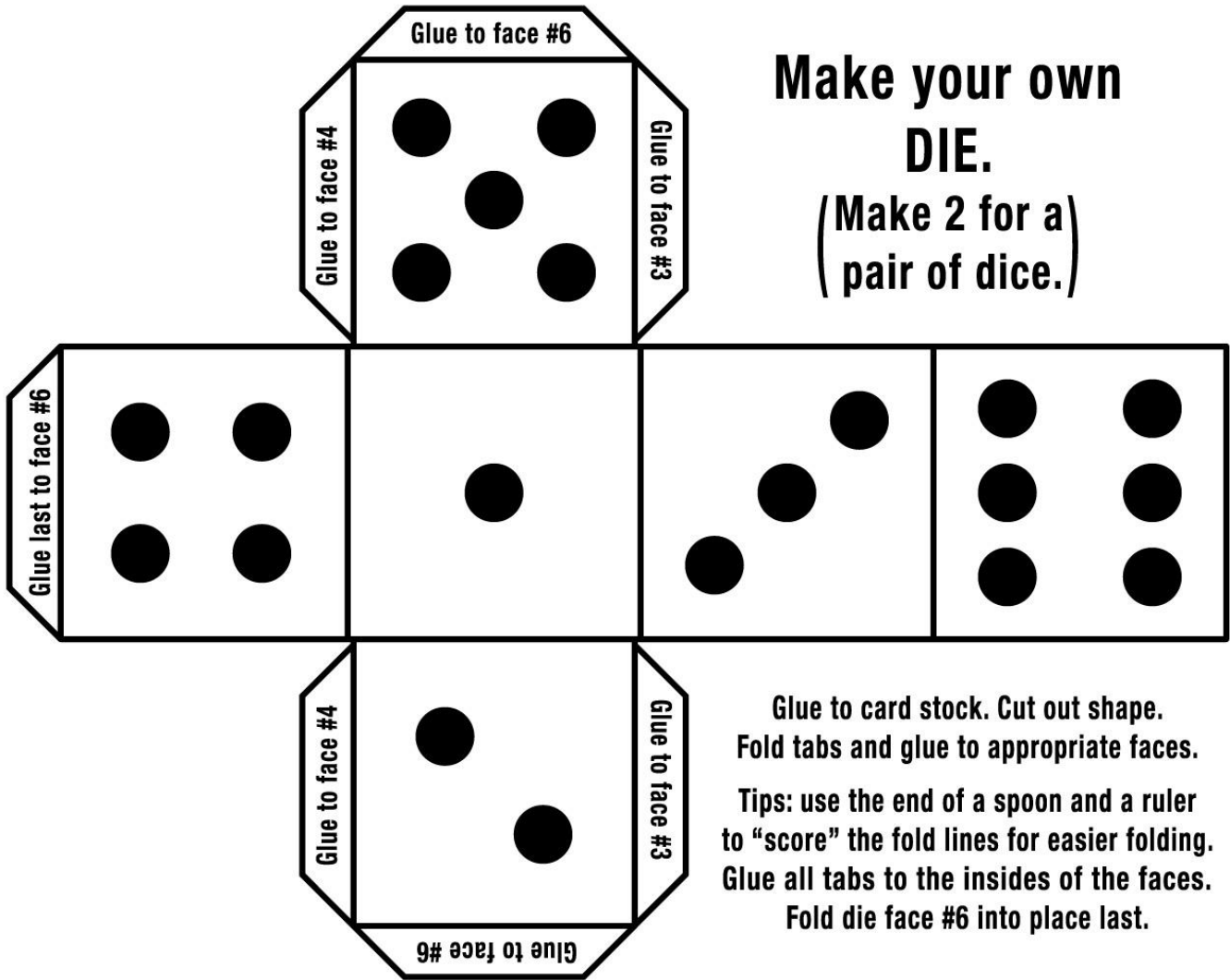
Probability of Selecting a Green M&M = _____

Probability of Selecting a Yellow M&M = _____

Probability of Selecting a Brown M&M = _____

Probability of Selecting an Orange M&M = _____

M&M Bar Graph

	Red	Brown	Yellow	Green	Blue	Orange
13						
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						

Make your own DIE.
(Make 2 for a pair of dice.)

Glue to face #6

Glue to face #4

Glue to face #3

Glue last to face #6

Glue to face #4

Glue to face #3

Glue to face #6

Glue to card stock. Cut out shape.
Fold tabs and glue to appropriate faces.

Tips: use the end of a spoon and a ruler
to "score" the fold lines for easier folding.
Glue all tabs to the insides of the faces.
Fold die face #6 into place last.